


IN THE CLAIMS

Please amend Claims 1, 4, 11, 13, 21 and 22, and add new Claim 25, as follows.

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1. (Currently Amended) An image pickup apparatus for use with a flash apparatus, comprising:

a control circuit which determines an amount of light generated by the flash apparatus;

 a color adjusting circuit which controls at least one of hue and a color saturation; and

a first color control circuit which controls said color adjusting circuit such that at least one of the hue and the color saturation is corrected responsive to ~~in accordance with~~ the amount of the flash apparatus generated light determined by said control circuit, independently of hue and/or color saturation control in accordance with white balance.

2. (Previously Presented) An image pickup apparatus according to Claim 1, further comprising:

a color temperature detecting circuit which detects a color temperature of a subject; and

a second color controlling circuit which controls said color adjusting circuit such that at least one of hue and color saturation is corrected in accordance with the color temperature of the subject detected by said color temperature detecting circuit,

wherein said first color controlling circuit corrects a correction result of said second color controlling circuit.

3. (Previously Presented) An image pickup apparatus according to Claim 1, wherein said color adjusting circuit includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

4. (Currently Amended) An image pickup apparatus for use with a flash apparatus, comprising:

an illuminance detecting circuit which detects an illuminance of light incident from a subject;

a color adjusting circuit which controls at least one of a hue and a color saturation; and

a first controlling circuit which controls said color adjusting circuit such that at least one of the hue and color saturation is corrected, responsive to ~~in accordance with~~ the

illuminance of the light incident from the subject detected by said illuminance detecting circuit,  
independently of hue and/or color saturation control in accordance with white balance.

5. (Previously Presented) An image pickup apparatus according to Claim 4, further comprising:

a color temperature detecting circuit which detects a color temperature of the subject; and

a second color controlling circuit which controls said color adjusting circuit in accordance with the color temperature of the subject detected by said color temperature detecting circuit,

wherein said first color controlling circuit corrects a correction result of said second color controlling circuit.

6. (Previously Presented) An image pickup apparatus according to Claim 4, wherein said color adjusting circuit includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

7. (Previously Presented) An image pickup apparatus for use with a flash apparatus, comprising:

a color temperature detecting circuit which detects a color temperature of a subject;

an illuminance detecting circuit which detects an illuminance of a subject;

a control circuit which determines an amount of light generated by the flash apparatus;

a color adjusting circuit which controls at least one of hue and color saturation;

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and* a first color controlling circuit which controls at least one of hue and color saturation in accordance with the color temperature of a subject detected by said color temperature detecting circuit; and

a second color controlling circuit which controls said color adjusting circuit such that at least one of hue and color saturation is corrected in accordance with at least one of the illuminance detected by said illuminance detecting circuit and the amount of light determined by said control circuit.

8. (Previously Presented) An image pickup apparatus according to Claim 7, wherein said color adjusting circuit includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which

multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

9. (Previously Presented) An image pickup apparatus for use with a flash apparatus, comprising:

a color adjusting circuit which controls at least one of hue and color saturation;

a color temperature detecting circuit which detects a color temperature of a subject;

a first color controlling circuit which controls said color adjusting circuit in accordance with the color temperature of the subject detected by said color temperature detecting circuit;

a memory which stores hue information used to make a color correction when said flash apparatus is used; and

a second color controlling circuit which controls said color adjusting circuit in accordance with the hue information stored in said memory circuit such that the hue information for said flash apparatus is selected when said flash apparatus is used.

10. (Previously Presented) An image pickup apparatus according to Claim 9, wherein said color adjusting circuit includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which

multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

11. (Currently Amended) An image pickup apparatus for use with a flash apparatus, comprising:

a white balance controlling circuit which controls white balance in accordance with at least one of an illuminance of a subject and an amount of light generated by the flash apparatus;

a color adjusting circuit which controls at least one of hue and color saturation;

and

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a color control circuit which controls said color adjusting circuit in accordance with white balance information generated by said white balance controlling circuit, such that when the white balance information varies in response to at least one of the illuminance of light incident from the subject and the amount of light generated by the flash apparatus, said color control ~~circuit controlling~~ circuit controls said color adjusting circuit in accordance with the white balance information and in accordance with the amount of light generated by the flash apparatus, respectively.

12. (Previously Presented) An image pickup apparatus according to Claim 11, wherein said color adjusting circuit includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which

multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

13. (Currently Amended) An image pickup apparatus for use with a flash apparatus, comprising:

a color adjusting circuit which controls at least one of hue and color saturation;

and

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a color control ~~controlling~~ circuit which controls said color adjusting circuit such that when a flash apparatus is used, said color adjusting circuit corrects at least one of the hue and the color saturation responsive to illuminance of light incident from ~~in accordance with an illuminating state of said flash apparatus to~~ a subject using said flash apparatus independently of hue and/or color saturation control in accordance with white balance.

14. (Previously Presented) An image pickup apparatus according to Claim 13, wherein said color controlling circuit has correction data associated with hue or color saturation employed when the flash apparatus is used and also has correction data associated with the hue or color saturation employed when the flash apparatus is not used, and wherein said hue correcting circuit selects proper correction data on the basis of whether the flash apparatus is used or not.

15. (Original) An image pickup apparatus according to Claim 1, wherein said image pickup apparatus comprises the flash apparatus.

16. (Original) An image pickup apparatus according to Claim 4, wherein said image pickup apparatus comprises the flash apparatus.

17. (Original) An image pickup apparatus according to Claim 7, wherein said image pickup apparatus comprises the flash apparatus.

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18. (Original) An image pickup apparatus according to Claim 9, wherein said image pickup apparatus comprises the flash apparatus.

19. (Original) An image pickup apparatus according to Claim 11, wherein said image pickup apparatus comprises the flash apparatus.

20. (Original) An image pickup apparatus according to Claim 13, wherein said image pickup apparatus comprises the flash apparatus.



21. (Currently Amended) An image pickup apparatus for use with a flash apparatus, comprising:

a color adjusting circuit which controls at least one of hue and color saturation;

and

a color control ~~controlling~~ circuit for changing said color adjusting circuit such ~~that said that, depending on whether a flash apparatus is used or not, said~~ color adjusting circuit corrects at least one of hue and color saturation in response to first data when a flash apparatus is used and in response to second data when the flash apparatus is not used.

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22. (Currently Amended) An image pickup apparatus for use with a flash apparatus, comprising:

a color adjusting circuit which controls hue or color saturation in accordance with first data of a color temperature of a subject when a flash apparatus is not used; and

a color control ~~controlling~~ circuit which further controls at least one of hue and the color saturation adjusted by said color adjusting circuit in accordance with second data when the flash apparatus is used.

23. (Previously Presented) An image pickup apparatus according to Claim 13, wherein the illuminating state of said flash apparatus to a subject comprises an amount of light generated by the flash apparatus.

24. (Previously Presented) An image pickup apparatus according to Claim 13, wherein the illuminating state of said flash apparatus to a subject comprises an illuminance of the subject.

25. (New) An image pickup apparatus for use with a flash apparatus, comprising:

B1 a color adjusting circuit which controls at least one of hue and color saturation;

and

a color control circuit for changing said color adjusting circuit such that said color adjusting circuit corrects at least one of hue and color saturation in response to first data when a flash apparatus is used and in response to second data when the flash apparatus is not used, independently of hue and/or color saturation control in accordance with white balance.

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